

## **APPENDIX B**

**Antibody immune response preferences for different synonymous codons corresponding to Ala, Arg, Asp, His, Lys, Phe and Tyr**

<b>Amino Acid</b>	<b>Antibody Preference</b>
Ala	GCT>GCC>GCA, GCG
Arg	CGA, CGC, CGT, AGA> AGG, CGG
Asp	GAC>GAT
His	CAC=CAT
Lys	AAG=AAA
Phe	TTT>TTC
Tyr	TAC>TAT